Course Title: Information and Communication Technology (ICT) in History Education

Course No.: Hist. Ed.444 Nature of Course: Theory (60) + Practice (40)

Leve: B.Ed. Full Mark: 60 + 40 = 100

Pass Marks: 40

Year: 4th Teaching Hours: 150

**1. Course Description**

ICT in the history classroom is to develop students’ information literacy. It provides insight in basic concept of ICT and making materials for teaching learning process. This theoretical and practical course is designed to acquaint the B.Ed. forth year history student to use ICT in the classroom. It also gives the emphasis on the basic concept of ICT and integration in education and history teaching. This course is both theory (final exam) and practices (assignments and report writings) in ICT in history education.

**2. General Objectives**

* 1. Introduces the concept of ICTs in education and practices in school education
  2. Provides competence in using ICT tools in classroom teaching and learning
  3. Acquaint to the different learning management system and able to use them in teaching and learning management in history education.
  4. Impart brief ideas on the historical development and innovation of ICTs use in the field of education
  5. Use of ICT in making materials
  6. Use of ICT related teaching aids in history teaching.

1. **Course Outlines**

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| Specific Objectives | Contents |
| * Explain the difference of ICT and ICT education in terms of aims, contents and practices. * Sketch the historical development of ICT and ICT in education in the world. * Describe the policy and practices of ICT in education among different countries. * Compare the ICT policy and practice in Nepalese education. * Acquaint ICT education in Nepal * Acquaint ICT related organization in Nepal | Unit I: Introduction of ICT (15)   * 1. Meaning of ICT and ICT education   2. History of ICT in Nepal and ICT Day   3. The origin of ICTs in education   4. ICT use in education in different countries a review (some developed and developing countries)   5. ICT in education in Nepal: ICT policy and programs in Nepal (one-laptop per child, virtual schools, ICT integration in courses, Computer courses, online library, online course and training, Digital Class room).   6. ICT related organization in Nepal (NTA, DoIT, NITC, CAN Federation etc.) |
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| * Review the history of ICT in history curriculum * Explain the development of ICT competencies in different professional standards (e.g. UNESCO, OECD, EU) and NCED Nepal | Unit II: History of ICTs in history Curriculum (8 )   * 1. Review of the history curriculum framework in relation to ICT use   2. Development of ICT competencies in different professional standards (UNESCO) and NCED Nepal) |
| * To enhanced the skill to operate the operating system * To handle ICT devices and use them in learning facilitation * To handle the mobile computing devices and applications. * To use of Mobile computing and Applications * To introduce of Mobile Computing Operating System * To use of mobile computing for Education | Unit III: Operation of Computer System and Hardware for Professional work (15)   * 1. Working with operating system (Desktop, file and folder management, user account and password protection, Font Installation, Use of Nepali Unicode).   2. Computer hardware and their installation for use (printer, digital camera, scanner, projector, flash drive etc.)   3. Use of Mobile computing and Applications   4. Introduction of Mobile Computing Operating System   5. Mobile computing for Education   6. Use of mobile computing for Education |
| * Design power points for different purpose of presentation for different subjects and issues * Design spreadsheet as per needs of the tasks * Use spreadsheet to enter students' progress scores and compute for analysis and interpretation of the results. * Use appropriate software in designing learning materials, lessons and project work/assignment for the students | Unit IV: Application competency for Teaching learning    (32)   * 1. Working with word processor software for teaching learning (Text formatting, page setting, mail merge, table and object insert, review and citation on documentation)   2. Designing and use of spread sheet for teaching and recording of the student’s performance (worksheet and workbook, cell referencing, functions and formula, Inserting charts, Case: Analyze the students' achievement score)   3. Power point designing and use for teaching (Creating presentation, inserting pictures, charts, audio, video, formatting presentation, layout, animation, slide transition)   4. Use of software relevant to particular subject (history and social study) in preparing presentation and dynamic learning materials |
| * Create emails and use it for communication using full features in email. * Identify simple connectivity problem of internet and solve or refer to the technical person. * List out the useful e-resources and database for school education and more. * Use ICT gadgets for creating contents for learning (audio, video, text etc.) * Use of multimedia in teaching and learning | Unit V: Communication tools, multi-media and their use in teaching and learning (30)   * 1. Use of Internet and email   2. Use of Search engine for History education   3. Social Media (Facebook, Google+, Twitter)   4. Introduction of cloud computing and use of tools to share documents (google drive, one drive)   5. Searching database and e-resources available freely in online and school system database.   6. Proper use of e-resources for enhancing professional capacity and for students' learning      1. Introduction to Podcast and Vodcast      2. Record and edit Audio and Video in classroom.      3. Multimedia and its use (text, image, animation, audio and video) in teaching and learning      4. Introduction of online Learning Management System (Moodle, NeoLMS)      5. User Google Map. |
| * Explain the cyber security laws and issues * Use ICTs with full ethical consideration * Create awareness programme for students in security, ethics * Discuss the use and misuse of ICTs | Unit VI: Security and Ethical Consideration in ICT use  (10)   * 1. Computer protection form virus   2. Cyber security (Information and Data Security)   3. Cyber Crime.   4. Cyber Law in Nepal   5. Ethics in using digital documents, ICT use and communication   6. Use and misuse of ICTs |
|  |  |
| * Select proper guideline for teaching time sense. * Use different devices for teaching time sense. * Make timeline * Use infographic in history education | Unit VII: Time Sense in history and use of ICT (10)     * 1. Guideline for teaching time sense   2. Device for teaching time sense   3. Use of ICT in time sense in history   4. Use of infographic in history education |
| * Prepare data, construct and demonstrate the different teaching aids in the classroom. * Use computer and multimedia in teaching history. * Introduce the cloud storage in internet * Introduce virtual learning | Unit VIII: Construction and Use of Teaching Aids using ICT in history class room (30 )     * 1. Prepare and construction of teaching aids      1. Data,      2. Tabulation, filter and sort using data management application.      3. Prepare Charts and Graphs Prepare Maps and globe for History education      4. Models   2. Applied Computer and multimedia in Classroom      1. Prepared effective presentation slide for specific topic.      2. Use of Smart board in classroom teaching learning   3. Use of cloud storage to share the learning materials   4. Use of virtual learning tools for History education. |

1. **Methods /Instructional Techniques:**

Due to the theoretical and practical nature of the course, both teacher directed guided instructional techniques and student participated activities will be mostly adopted, to import the required knowledge of the concerned units to students. The teacher will adopt the following methods / techniques:

1. Presentation.

2. Discussion - individual and group discussion

3. Preparation and presentation of project paper.

4. Inquiry and question Answer.

5. Brain storming and Buzz session.

6. Lab work- assignment and report writing

All the above mentioned methods/techniques can be implements either in the groups or individual according to class situation and number of students.

1. **Evaluation Scheme:**

The achievement of the student will be evaluated through semester examination conducted by the Control of Examination T. U. Though, subject teacher will access the student’s performance time to time through class room presentation on project work, discussions and class assignments. But these activities will not have any impact on final examination. However this activity will be just a feed back to the student.

The questions will be as below for the final examination:

|  |  |  |  |
| --- | --- | --- | --- |
| Nature of the question | Total question to be asked | Number of question to be solved | Weightage |
| Group A :  Multiple Choice  Group B :  Short questions  Group C :  Long Questions  Practical work | 10 Questions  5 with 3 or questions   1. with 1or question   4 assignments  2 reports | 10 X 1= 10  5 X 6 = 30  2X 10 = 20  4X 5 =20  2X10=20 | 10  30  20  20  20 |
| Total: | | | 100 |

1. Recommended Books and reading materials (Including relevant published articles in national and international journals)

Bastakoti, H.K. (2074 B.S.4th edit.). *Brihat Computer Gyan*. Kathmandu: Jupiter printing and publishing house Ltd.

Collingwood, R.G. (1994). *The idea of history.* New York: Oxford University Press.

Kochhar, S.K. (1981). *Teaching of history.* Delhi: Sterling Publisher

Sharma, G.N. (1980).  *School curriculum in Nepal.* Kathmandu: Hem Kumari Sharma.

Upadhaya, S.R. (2053 B.S.). *Itihas shikshan bidi.* Kathmandu: Ratna Pustak Bhandar.

<http://drive.google.com>

<http://windows.microsoft.com/en-US/Windows-Live/movie-maker#t1=overview>

http://www.gcflearnfree.org/access2010

<http://www.gcflearnfree.org/excel2010>

http://www.gcflearnfree.org/powerpoint2010

<http://www.gcflearnfree.org/word2010>

http://www.rendersoftware.com/products/camstudio

http://www.tutorialspoint.com/computer\_fundamentals/ and http://www.gcflearnfree.org

https://moodle.org/about/

www.gmail.com 4

www.hotpotatoes.net 3

www.julong.com.cn 2